



# Australian Government

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## Civil Aviation Safety Authority

Instrument number CASA EX71/16

I, GERARD JOHN CAMPBELL, Executive Manager, Operations Division, a delegate of CASA, make this instrument under regulation 11.160 of the *Civil Aviation Safety Regulations 1998 (CASR 1998)*.

**[Signed G.J. Campbell]**

Gerard J. Campbell  
Executive Manager  
Operations Division

13 May 2016

### **Exemption – operation of UAV near people – Droneit Group Pty Ltd**

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#### **1 Definitions**

(1) In this instrument:

*Chief Controller* means Lee Carseldine, ARN 833052.

*operator's personnel* means a person employed, or engaged, by the operator to assist in the operation of the UAV.

*UAV Controller* means the Chief Controller, or a person authorised by the Chief Controller to operate the UAV in accordance with clauses 1 and 2 of Schedule 1.

(2) In this instrument, the distance from the UAV is measured from a point on the ground vertically below the UAV.

#### **2 Application**

This instrument applies to the operation of a remotely piloted multi-rotor unmanned aerial vehicle (the *UAV*) by Droneit Group Pty Ltd, Aviation Reference Number (*ARN*) 834101 (the *operator*), when used for aerial advertising, aerial photography, aerial spotting and aerial surveying.

#### **3 Exemption**

The operator is exempt from compliance with regulation 101.245 of CASR 1998 when operating the UAV.

#### **4 Conditions**

The exemption is subject to the conditions mentioned in Schedules 1 and 2.

#### **5 Expiry**

This instrument expires at the end of February 2019, as if it had been revoked by another instrument.

## **Schedule 1      General conditions**

- 1 The UAV may only be operated by:
  - (a) the Chief Controller; or
  - (b) a person authorised by the Chief Controller.
- 2 Before authorising a person to operate the UAV, the Chief Controller must be satisfied that the person:
  - (a) has the knowledge and practical abilities to operate the UAV; and
  - (b) has received appropriate training and testing in relation to the operation of the UAV; and
  - (c) has been approved by the operator to operate the UAV in accordance with the operator's operations manual and this instrument.
- 3 The operator's operations manual must include procedures for:
  - (a) appropriate training and testing of each UAV Controller in relation to the operations conducted under this exemption; and
  - (b) recording details of the training and testing undertaken by each UAV Controller; and
  - (c) keeping training and testing records for a period of 2 years.
- 4 CASA may test a UAV Controller on his or her knowledge and practical abilities to operate the UAV in accordance with this instrument.
- 5 Before any operation under this exemption, a risk assessment must be carried out by the operator in accordance with the operator's operations manual.
- 6 Subject to clause 7, the operator must conduct operations in accordance with the operator's operations manual.
- 7 In the event of an inconsistency between a provision of the operator's operations manual and this instrument, this instrument prevails to the extent of the inconsistency.
- 8 Details of this instrument must be included in the operator's operations manual.
- 9 The UAV must be a multi-rotor UAV fitted with all of the following:
  - (a) equipment for a GPS hold and return to home function;
  - (b) equipment for a GPS lock with a minimum of 7 GPS satellites.
- 10 The operator must not operate the UAV outdoors:
  - (a) in rain; or
  - (b) if thunderstorms are observed or reported within 5 kilometres of the location of the proposed operation.

## **Schedule 2      Conditions of exemption — operation of UAV near people**

- 1 The wind speed, including gusts, at a height of 2 metres AGL at the location of the operation, must not exceed 15 knots.
- 2 The operator must establish exclusion zones appropriate for the safe operation of the UAV and ensure adequate measures have been taken to prevent members of the public encroaching on the exclusion zones at all times (the *established exclusion zone*).
- 3 In the event of a loss of control of the UAV, the UAV Controller must execute a flight termination in a safe manner wholly within the established exclusion zone.

- 4 The operator must ensure that the UAV Controller is positioned so that the UAV Controller is:
    - (a) directly behind the UAV and can observe the entire forward flight path; or
    - (b) close enough to the subject of the photography to ensure adequate depth perception.
  - 5 Before operating the UAV within 30 metres of a person who is not one of the operator's personnel, the operator must ensure that the person:
    - (a) is briefed in accordance with the operator's operations manual; and
    - (b) is informed of the responses required in an emergency; and
    - (c) after he or she has been briefed and informed as mentioned in paragraphs (a) and (b), has provided consent to the operator operating the UAV between 15 and 30 metres of the person.
  - 6 The operator must not operate the UAV within 15 metres of a person who is not one of the operator's personnel.
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